

Notice of References Cited

Application/Control No.

09/724,567

Applicant(s)/Patent Under

Reexamination

SCHENK, DALE B.

Examiner

Christopher Nichols, Ph.D.

Art Unit

1647

Page 1 of 6

U.S. PATENT DOCUMENTS

| * | | Document Number Country Code-Number-Kind Code | Date MM-YYYY | Name | Classification |
|---|---|--|-----------------|--------|----------------|
| | A | US-5851996 | 12-1998 | Kline | 514/12 |
| | B | US-5780587 | 06-1998 | Potter | 530/326 |
| | C | US-5958883 | 09-1999 | Snow | 514/16 |
| | D | US- | | | |
| | E | US- | | | |
| | F | US- | | | |
| | G | US- | | | |
| | H | US- | | | |
| | I | US- | | | |
| | J | US- | | | |
| | K | US- | | | |
| | L | US- | | | |
| | M | US- | | | |

FOREIGN PATENT DOCUMENTS

| * | | Document Number Country Code-Number-Kind Code | Date MM-YYYY | Country | Name | Classification |
|---|---|--|-----------------|---------|------|----------------|
| | N | WO 99/60024 | 11-1999 | WIPO | | |
| | O | WO 99/06545 | 02-1999 | WIPO | | |
| | P | WO 91/16819 | 11-1991 | WIPO | | |
| | Q | | | | | |
| | R | | | | | |
| | S | | | | | |
| | T | | | | | |

NON-PATENT DOCUMENTS

| * | | Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages) |
|---|---|---|
| | U | |
| | V | Skolnick and Fetrow (2000) From Genes to Protein Structure and Function: Novel Applications of Computational Approaches in the Genomic Era. Trends in Biotech 18(1); 34-39. |
| | W | Jobling et al, Mol. Microbiol., 1991, 5(7):1755-67. |
| | X | Jen et al. (1997) Preparation and Purification of antisera against different regions or isoforms of beta-amyloid precursor protein. Brain Research Protocols 2:23-30. |

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)

Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

| | | | |
|-----------------------------------|----------------------------|---|-------------|
| Notice of References Cited | Application/Control No. | Applicant(s)/Patent Under Reexamination | |
| | 09/724,567 | SCHENK, DALE B. | |
| | Examiner | Art Unit | |
| | Christopher Nichols, Ph.D. | 1647 | Page 2 of 6 |

U.S. PATENT DOCUMENTS

| * | | Document Number Country Code-Number-Kind Code | Date MM-YYYY | Name | Classification |
|---|---|--|-----------------|------|----------------|
| | A | US- | | | |
| | B | US- | | | |
| | C | US- | | | |
| | D | US- | | | |
| | E | US- | | | |
| | F | US- | | | |
| | G | US- | | | |
| | H | US- | | | |
| | I | US- | | | |
| | J | US- | | | |
| | K | US- | | | |
| | L | US- | | | |
| | M | US- | | | |

FOREIGN PATENT DOCUMENTS

| * | | Document Number Country Code-Number-Kind Code | Date MM-YYYY | Country | Name | Classification |
|---|---|--|-----------------|---------|------|----------------|
| | N | | | | | |
| | O | | | | | |
| | P | | | | | |
| | Q | | | | | |
| | R | | | | | |
| | S | | | | | |
| | T | | | | | |

NON-PATENT DOCUMENTS

| | | |
|---|---|---|
| * | | Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages) |
| u | U | Demattos et al. (2001) "Peripheral Anti Abeta Antibody Alters CNS and Plasma Abeta Clearance and Decreases Brain Abeta Bruden in a Mouse Model of Alzheimer's Disease" PNAS 10: 1-6. |
| v | V | Perutz et al. (2002) "Amyloid Fibers are Water-Filled Nanotubes" PNAS 99(8): 5591-5595. |
| w | W | Masliah et al. (2001) "beta-Amyloid Peptides Enhance alpha-synuclein accumulation and neuronal deficits in a transgenic mouse model linking Alzheimer's disease and Parkinson's disease." PNAS 98(21): 12245-12250. |
| x | X | Conway et al. (2000) "Acceleration of Oligomerization, not fibrillization, is a shared property of both alpha-synuclein mutations linked to early-onset Parkinson's disease: Implications for pathogenesis and therapy." PNAS 97(2): 571-576. |

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)

Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

| | | | | |
|-----------------------------------|--|-------------------------|---|-------------|
| Notice of References Cited | | Application/Control No. | Applicant(s)/Patent Under Reexamination | |
| | | 09/724,567 | SCHENK, DALE B. | |
| Examiner | | Art Unit | | Page 3 of 6 |
| Christopher Nichols, Ph.D. | | 1647 | | |

U.S. PATENT DOCUMENTS

| * | | Document Number Country Code-Number-Kind Code | Date MM-YYYY | Name | Classification |
|---|---|--|-----------------|------|----------------|
| | A | US- | | | |
| | B | US- | | | |
| | C | US- | | | |
| | D | US- | | | |
| | E | US- | | | |
| | F | US- | | | |
| | G | US- | | | |
| | H | US- | | | |
| | I | US- | | | |
| | J | US- | | | |
| | K | US- | | | |
| | L | US- | | | |
| | M | US- | | | |

FOREIGN PATENT DOCUMENTS

| * | | Document Number Country Code-Number-Kind Code | Date MM-YYYY | Country | Name | Classification |
|---|---|--|-----------------|---------|------|----------------|
| | N | | | | | |
| | O | | | | | |
| | P | | | | | |
| | Q | | | | | |
| | R | | | | | |
| | S | | | | | |
| | T | | | | | |

NON-PATENT DOCUMENTS

| | | |
|---|---|--|
| * | | Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages) |
| | U | St-George-Hyslop and Westaway (1999) Antibody Clears Senile Plaques. Nature 400:116-117. |
| | V | Esiri (2001) Is an Effective Immune Intervention for Alzheimer's Disease in Prospect? Trends in Pharm Science 22(1): 2-3. |
| | W | Younkin (2001) Amyloid beta Vaccination: Reduced Plaques and Improved Cognition. Nature Medicine 7(1):18-19. |
| | X | Games et al. (1995) Alzheimer-type Neuropathology in Transgenic Mice overexpressing V717F beta-amyloid precursor protein. Nature 373(6514): 523-527. |

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

| | | | | |
|-----------------------------------|--|-------------------------|---|-------------|
| Notice of References Cited | | Application/Control No. | Applicant(s)/Patent Under Reexamination | |
| | | 09/724,567 | SCHENK, DALE B. | |
| Examiner | | Art Unit | | Page 4 of 6 |
| Christopher Nichols, Ph.D. | | 1647 | | |

U.S. PATENT DOCUMENTS

| * | | Document Number Country Code-Number-Kind Code | Date MM-YYYY | Name | Classification |
|---|---|--|-----------------|------|----------------|
| | A | US- | | | |
| | B | US- | | | |
| | C | US- | | | |
| | D | US- | | | |
| | E | US- | | | |
| | F | US- | | | |
| | G | US- | | | |
| | H | US- | | | |
| | I | US- | | | |
| | J | US- | | | |
| | K | US- | | | |
| | L | US- | | | |
| | M | US- | | | |

FOREIGN PATENT DOCUMENTS

| * | | Document Number Country Code-Number-Kind Code | Date MM-YYYY | Country | Name | Classification |
|---|---|--|-----------------|---------|------|----------------|
| | N | | | | | |
| | O | | | | | |
| | P | | | | | |
| | Q | | | | | |
| | R | | | | | |
| | S | | | | | |
| | T | | | | | |

NON-PATENT DOCUMENTS

| | | |
|---|---|---|
| * | | Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages) |
| | U | Raso (1998) Immunotherapy of Alzheimer's Disease" Immunotherapy Weekly. Abstract. |
| | V | Schenk et al. (1999) Immunization with amyloid-beta attenuates Alzheimer-disease-like pathology in the PDAPP Mouse. Nature 400:173-177. |
| | W | Small et al. (2001) Alzheimer's Disease and Abeta Toxicity: from top to bottom. Nat Rev Neurosci. 2(8): 595-8. |
| | X | Chapman (2000) Model Behavior. Nature 408: 915-916. |

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

| | | | |
|-----------------------------------|--|---|-------------|
| Notice of References Cited | Application/Control No. | Applicant(s)/Patent Under Reexamination | |
| | 09/724,567 | SCHENK, DALE B. | |
| | Examiner Christopher Nichols, Ph.D. | Art Unit 1647 | Page 5 of 6 |

U.S. PATENT DOCUMENTS

| * | | Document Number Country Code-Number-Kind Code | Date MM-YYYY | Name | Classification |
|---|---|--|-----------------|------|----------------|
| | A | US- | | | |
| | B | US- | | | |
| | C | US- | | | |
| | D | US- | | | |
| | E | US- | | | |
| | F | US- | | | |
| | G | US- | | | |
| | H | US- | | | |
| | I | US- | | | |
| | J | US- | | | |
| | K | US- | | | |
| | L | US- | | | |
| | M | US- | | | |

FOREIGN PATENT DOCUMENTS

| * | | Document Number Country Code-Number-Kind Code | Date MM-YYYY | Country | Name | Classification |
|---|---|--|-----------------|---------|------|----------------|
| | N | | | | | |
| | O | | | | | |
| | P | | | | | |
| | Q | | | | | |
| | R | | | | | |
| | S | | | | | |
| | T | | | | | |

NON-PATENT DOCUMENTS

| * | | Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages) |
|---|-----|---|
| | U ✓ | Lemere et al. (2000) Nasal Abeta Treatment Induces anti-Abeta antibody production and decreases cerebral amyloid burden in PD-APP mice." Annals of the NY Acad. Sci. 920: 328-331. |
| | V ✓ | Grubeck-Lobenstein et al. (2000) Immunization of beta-amyloid: could T-cell activation have a harmful effect? TINS 23: 114. |
| | W ✓ | Friedland et al. (1997) Neuroimaging of Vessel Amyloid in Alzheimer's Disease in Cerebrovascular Pathology in Alzheimer's Disease, eds. de la Torre and Hachinski, New York Academy of Science, NY, NY. |
| | X ✓ | Frenkel et al. (1998) N-terminal EFRH Sequence of Alzheimer's beta-amyloid peptide represents the epitope of its anti-aggregating antibodies. Journal of Neuroimmunology 88: 85-90. |

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

| | | | | |
|-----------------------------------|--|----------------------------|---|-------------|
| Notice of References Cited | | Application/Control No. | Applicant(s)/Patent Under Reexamination | |
| | | 09/724,567 | SCHENK, DALE B. | |
| | | Examiner | Art Unit | Page 6 of 6 |
| | | Christopher Nichols, Ph.D. | 1647 | |

U.S. PATENT DOCUMENTS

| * | | Document Number Country Code-Number-Kind Code | Date MM-YYYY | Name | Classification |
|---|---|--|-----------------|------|----------------|
| | A | US- | | | |
| | B | US- | | | |
| | C | US- | | | |
| | D | US- | | | |
| | E | US- | | | |
| | F | US- | | | |
| | G | US- | | | |
| | H | US- | | | |
| | I | US- | | | |
| | J | US- | | | |
| | K | US- | | | |
| | L | US- | | | |
| | M | US- | | | |

FOREIGN PATENT DOCUMENTS

| * | | Document Number Country Code-Number-Kind Code | Date MM-YYYY | Country | Name | Classification |
|---|---|--|-----------------|---------|------|----------------|
| | N | | | | | |
| | O | | | | | |
| | P | | | | | |
| | Q | | | | | |
| | R | | | | | |
| | S | | | | | |
| | T | | | | | |

NON-PATENT DOCUMENTS

| * | | Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages |
|---|---|---|
| | U | Frenkel et al. (2000) Immunization against Alzheimer's beta-amyloid plaques via EFRH phage administration. PNAS 97(21) 11455-11459. |
| | V | Frenkel et al. (1999) High Affinity Binding of Monoclonal Antibodies to the sequential epitope EFRH of beta-amyloid peptide is essential for modulation of fibrillar aggregation. Journal of Neuroimmunology 95: 136-142. |
| | W | ELAN "Elan and AHP Provide an Update on the Phase 2A Clinical Trial of AN-1792." Press Release (28.Jan.2002) |
| | X | ELAN "Elan and Wyeth Provide Update on Status of Alzheimer's Collaboration" Press Release (1.Mar.2002) |

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.